



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 145994

TO: Ruixiang Li
Location: rem/4d75/4c70
Art Unit: 1646
Monday, February 28, 2005

Case Serial Number: 09/924125

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Li,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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STIC-Biotech/ChemLib

From: Li, Ruixiang
Sent: Wednesday, February 23, 2005 4:23 PM
To: STIC-Biotech/ChemLib
Subject: Sequence search of Application No.09/924,125

Please do a standard search on:

SEQ ID NO: 2 against interferenc amino acid databases.

Thank you very much!

Ruixiang Li
GAU 1646
REM 4D75
Mail Box 4C70
(571) 272-0875

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2-_____
Date Searcher Picked up: 2/23/05
Date Completed: 2/23/05
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA Sequence: # _____
AA Sequence :# 1
Structure: # _____
Bibliographic: _____
Litigation: _____
Patent Family: _____
Other: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: CDP
WWW/Internet: _____
Other(Specify): _____

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 26, 2005, 18:55:50 ; Search time 43 Seconds
(without alignments)
578.096 Million cell updates/sec

Title: US-09-924-125-2
Perfect score: 1731
Sequence: 1 MNTTVMQGFNRSECRDTR.....KTTASSQENHSSQTDNITLG 333

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1731	100.0	333	US-09-520-781-2	Sequence 2, Appli
2	1725	99.7	333	US-09-221-456-2	Sequence 2, Appli
3	1725	99.7	333	US-09-558-740-2	Sequence 2, Appli
4	1697	98.0	333	US-08-812-871-1	Sequence 1, Appli
5	1098.5	63.5	293	US-08-467-948A-6	Sequence 6, Appli
6	1098.5	63.5	293	US-08-467-947A-6	Sequence 6, Appli
7	829	47.9	342	US-08-852-824-2	Sequence 2, Appli
8	829	47.9	342	US-09-745-842-6	Sequence 6, Appli
9	829	47.9	342	US-09-780-576-2	Sequence 2, Appli
10	829	47.9	363	US-09-949-016-8187	Sequence 8187, Ap
11	816	47.1	315	US-09-745-842-4	Sequence 4, Appli
12	807	46.6	343	US-09-745-842-2	Sequence 2, Appli
13	777	44.9	325	US-08-467-948A-29	Sequence 29, Appl
14	777	44.9	325	US-08-467-947A-29	Sequence 29, Appl
15	777	44.9	338	US-08-988-876-8	Sequence 8, Appli
16	777	44.9	338	US-09-303-524A-2	Sequence 2, Appli
17	777	44.9	338	US-09-745-842-13	Sequence 13, Appli
18	777	44.9	338	US-09-915-497-77	Sequence 77, Appl
19	677.5	39.1	358	US-08-988-876-3	Sequence 3, Appli
20	677.5	39.1	358	US-09-919-172-22	Sequence 22, Appl
21	584.5	33.8	267	US-09-745-842-12	Sequence 12, Appl
22	505.5	29.2	319	US-08-702-344-28	Sequence 28, Appl
23	505.5	29.2	319	US-09-745-842-20	Sequence 20, Appl
24	391.5	22.6	381	US-09-745-842-21	Sequence 21, Appl
25	369	21.3	361	US-09-170-496D-206	Sequence 206, App
26	366.5	21.2	339	US-09-170-496D-182	Sequence 182, App
27	365	21.1	110	US-09-513-999C-4925	Sequence 4925, Ap

28	365	21.1	361	1	US-08-383-750-4	Sequence 4, Appli
29	365	21.1	361	3	US-08-352-678-4	Sequence 4, Appli
30	365	21.1	361	4	US-09-536-954-4	Sequence 4, Appli
31	365	21.1	361	4	US-09-170-496D-78	Sequence 78, Appl
32	365	21.1	361	4	US-09-929-583B-4	Sequence 4, Appli
33	365	21.1	361	5	PCT-US93-09636-4	Sequence 4, Appli
34	363.5	21.0	339	1	US-08-153-848-44	Sequence 44, Appli
35	363.5	21.0	339	2	US-08-812-871-3	Sequence 3, Appli
36	363.5	21.0	339	3	US-09-299-843A-44	Sequence 44, Appl
37	363.5	21.0	339	3	US-09-088-337B-44	Sequence 44, Appl
38	363.5	21.0	339	4	US-09-170-496D-32	Sequence 32, Appl
39	363.5	21.0	339	5	PCT-US93-11153-44	Sequence 44, Appl
40	363.5	21.0	339	5	PCT-US95-07180-2	Sequence 2, Appli
41	360.5	20.8	381	1	US-08-467-125-2	Sequence 2, Appli
42	360.5	20.8	381	2	US-08-911-320A-2	Sequence 2, Appli
43	360.5	20.8	381	3	US-09-217-101-2	Sequence 2, Appli
44	359	20.7	348	3	US-08-852-824-17	Sequence 17, Appl
45	357	20.6	216	4	US-09-690-454-69	Sequence 69, Appl

ALIGNMENTS

RESULT 1
US-09-520-781-2
; Sequence 2, Application US/09520781
; Patent No. 6689866
; GENERAL INFORMATION:
; APPLICANT: Shinketsu, Richard A.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
; FILE REFERENCE: 15966-540 No. 6689866el Polynucleotides
; CURRENT APPLICATION NUMBER: US/09/520.781
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: USSN 60/123.667
; PRIOR FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-520-781-2

Query Match	100.0%	Score 1731;	DB 4;	Length 333;
Best Local Similarity	100.0%	Pred. No. 2.7e-134;		
Matches 333;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MNTTVMQGFNRSECRDTRIVQVFPALYTVVFLTGILLNTLALWVPHIPSSSTFIY	60	
Db	1	MNTTVMQGFNRSECRDTRIVQVFPALYTVVFLTGILLNTLALWVPHIPSSSTFIY	60	
Qy	61	LKNTLVADLLMTLMLPFKILSDSHLAPQWRAFCRFSSVIFYETMYGIVLLGLIAPDR	120	
Db	61	LKNTLVADLLMTLMLPFKILSDSHLAPQWRAFCRFSSVIFYETMYGIVLLGLIAPDR	120	
Qy	121	FLKIIRPLRNIFLKKPVFAKTVSIFWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL	180	
Db	121	FLKIIRPLRNIFLKKPVFAKTVSIFWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL	180	
Qy	181	GLKWHQWNNICQIFWTVFVLMVVFVVIYAKKYVDSYRKSQKORNNKLEKGVFVV	240	
Db	181	GLKWHQWNNICQIFWTVFVLMVVFVVIYAKKYVDSYRKSQKORNNKLEKGVFVV	240	
Qy	241	AVFVCFAPFHPFARVPYTHSQTNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC	300	
Db	241	AVFVCFAPFHPFARVPYTHSQTNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC	300	
Qy	301	KKFTEKLPQCGKRTTASSQENHSSQTDNITLG	333	
Db	301	KKFTEKLPQCGKRTTASSQENHSSQTDNITLG	333	

RESULT 2

US-09-221-456-2
; Sequence 2, Application US/09221456
; Patent No. 6182899
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: HALSEY, WENDY
; APPLICANT: MUIR, ALISON
; APPLICANT: CHAMBERS, JON
; APPLICANT: SZEKERES, PHILIP
; TITLE OF INVENTION: METHODS OF SCREENING FOR AGONISTS
; TITLE OF INVENTION: AND ANTAGONISTS OF THE HNEAA81 RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/221,456
; FILING DATE: 28-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,975
; FILING DATE: 23-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70318-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELE: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 333 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-221-456-2

Query Match 99.7%; Score 1725; DB 3; Length 333;
Best Local Similarity 99.7%; Pred. No. 8.5e-134;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MNTVMQGNRSRCPDRTRIVQLVPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Qy 61 LKNTLVADLIMTLMPFKILSDSHLAPWQRAFCRFSSVIFYETMVGVILGLIAFDR 120
Db 61 LKNTLVADLIMTLMPFKILSDSHLAPWQRAFCRFSSVIFYETMVGVILGLIAFDR 120
Qy 121 FLKIIIRPLRNIFLKKPVFAKTVSIFWFFLPSLNNMILSNKEATPSSVKKASLGKPL 180
Db 121 FLKIIIRPLRNIFLKKPVFAKTVSIFWFFLPSLNNMILSNKEATPSSVKKASLGKPL 180
Qy 181 GLKWHQWNNICQFIWTVFILMLVYVVIKVVYDSYRKSCKDRKNNKLEGVFVVV 240
Db 181 GLKWHQWNNICQFIWTVFILMLVYVVIKVVYDSYRKSCKDRKNNKLEGVFVVV 240
Qy 241 AVFFVCFAPFHPFARVPYTHSQTNNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAPFHPFARVPYTHSQTNNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC 300
Qy 301 KKFTKLPQMGKRKTTASSQENHSSQTDNITLG 333
Db 301 KKFTKLPQMGKRKTTASSQENHSSQTDNITLG 333

Db 301 KKFTKLPQMGKRKTTASSQENHSSQTDNITLG 333
RESULT 3
US-09-558-740-2
; Sequence 2, Application US/09558740
; Patent No. 6358695
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: HALSEY, WENDY
; APPLICANT: MUIR, ALISON
; APPLICANT: CHAMBERS, JON
; APPLICANT: SZEKERES, PHILIP
; TITLE OF INVENTION: METHODS OF SCREENING FOR AGONISTS AND
; TITLE OF INVENTION: ANTAGONISTS OF THE HNEAA81 RECEPTOR
; FILE REFERENCE: GH-70318-2
; CURRENT APPLICATION NUMBER: US/09/558,740
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 08/956,975
; PRIOR FILING DATE: 1997-10-23
; PRIOR APPLICATION NUMBER: 09/221,456
; PRIOR FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-558-740-2

Query Match 99.7%; Score 1725; DB 3; Length 333;
Best Local Similarity 99.7%; Pred. No. 8.5e-134;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MNTVMQGNRSRCPDRTRIVQLVPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Qy 61 LKNTLVADLIMTLMPFKILSDSHLAPWQRAFCRFSSVIFYETMVGVILGLIAFDR 120
Db 61 LKNTLVADLIMTLMPFKILSDSHLAPWQRAFCRFSSVIFYETMVGVILGLIAFDR 120
Qy 121 FLKIIIRPLRNIFLKKPVFAKTVSIFWFFLPSLNNMILSNKEATPSSVKKASLGKPL 180
Db 121 FLKIIIRPLRNIFLKKPVFAKTVSIFWFFLPSLNNMILSNKEATPSSVKKASLGKPL 180
Qy 181 GLKWHQWNNICQFIWTVFILMLVYVVIKVVYDSYRKSCKDRKNNKLEGVFVVV 240
Db 181 GLKWHQWNNICQFIWTVFILMLVYVVIKVVYDSYRKSCKDRKNNKLEGVFVVV 240
Qy 241 AVFFVCFAPFHPFARVPYTHSQTNNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAPFHPFARVPYTHSQTNNKTCRLQNLQFIKETTFLAATNICMDPLIYIFLC 300
Qy 301 KKFTKLPQMGKRKTTASSQENHSSQTDNITLG 333
Db 301 KKFTKLPQMGKRKTTASSQENHSSQTDNITLG 333

RESULT 4
US-08-812-871-1
; Sequence 1, Application US/08812871
; Patent No. 5955303
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl
; APPLICANT: Muzong, Cheng
; TITLE OF INVENTION: NOVEL HUMAN CHEMOKINE RECEPTOR-LIKE
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Dr.
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/812,871
 FILING DATE: Filed Herewith
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PP-0237 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 333 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: MMLR3DT01
 CLONE: 568987
 US-08-812-871-1

Query Match 98.0%; Score 1697; DB 2; Length 333;

Best Local Similarity 98.5%; Pred. No. 1.7e-131;
 Matches 328; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVVFHIPPSSSTFIY 60
 Db 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVVFHIPPSSSTFIY 60

Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFPVCRFSSVIFYETMTVGVILGLIAPDR 120
 Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFPVCRFSSVIFYETMTVGVILGLIAPDR 120

Qy 121 FLKIIRPLRNIFLKKPVPAKTVSIFWFFLPFISLPMILSNKEATPSSVKKCSLKGPL 180
 Db 121 FLKIIRPLRNIFLKKPVPAKTVSIFWFFLPFISLPMILSNKEATPSSVKKCSLKGPL 180

Qy 181 GLKWHQWNNICQIFWTVFIMLVFVYVIAKVVDSYRKSCKDRKNNKLEGVFVV 240
 Db 181 GLKWHQWNNICQIFWTVFIMLVFVYVIAKVVDSYRKSCKDRKNNKLEGVFVV 240

Qy 241 AVFFVCFAPFARVPYTHSQTNNKTCRLQNLQFIKATLFLAATNICMDPLIYIFLC 300
 Db 241 PVFFVCFAPFARVPYTHSQTNNKTCRLQNLQFIKATLFLAATNICMDPLIYIFLC 300

Qy 301 KKTEKPLCMQGRKTTASSQENHSSQTDNITLG 333
 Db 301 KKTEKPLCMQGRKTTASSQENHSSQTDNITLG 333

RESULT 5

US-08-467-948A-6
 ; Sequence 6, Application US/08467948A
 ; Patent No. 5998164
 ; GENERAL INFORMATION:
 ; APPLICANT: LI, YI
 ; APPLICANT: CAO, LIANG
 ; APPLICANT: NI, JIAN
 ; APPLICANT: GENTZ, REINER

APPLICANT: BULT, CAROL J.
 APPLICANT: SUTTON III, GRANGER G.
 APPLICANT: ROSEN, CRAIG A.
 TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein
 TITLE OF INVENTION: Coupled Receptor GPR2
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 STREET: 1100 NEW YORK AVE., NW, SUITE 600
 CITY: WASHINGTON
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,948A
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/04079
 FILING DATE: 30-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488.1140003/EKS/KLM
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 293 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-467-948A-6

Query Match 63.5%; Score 1098.5; DB 2; Length 293;
 Best Local Similarity 76.8%; Pred. No. 1.5e-82;
 Matches 225; Conservative 14; Mismatches 43; Indels 11; Gaps 4;

Qy 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVVFHIPPSSSTFIY 60
 Db 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVVFHIPPSSSTFIY 60

Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFPVCRFSSVIFYETMTVGVILGLIAPDR 120
 Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFPVCRFSSVIFYETMTVGVILGLIAPDR 120

Qy 121 FLKIIRPLRNIFLKKPVPAKTVSIFWFFLPFISLPMILSNKEATPSSVKKCSLKGPL 180
 Db 121 FLKIIRPLRNIFLKKPVPAKTVSIFWFFLPFISLPMILSNKEATPSSVKKCSLKGPL 180

Qy 181 GLKWHQWNNICQIFWTVFIMLVFVYVIAKVVDSYRKSCKDRKNNKLEGVFVV 237
 Db 181 GLKWHQWNNICQIFWTVFIMLVFVYVIAKVVDSYRKSCKDRKNNKLEGVFVV 240

Qy 238 ---VVAVFVCFAPFARVPYTHSQTNNKTCRLQNLQFIKATLFLAAT 287
 Db 241 LSSLCVLLHFIS-PEFHILTVKPIRLT---VDCKI-NCLLLKKQLSFQOQLT 288

RESULT 6

US-08-467-947A-6
 ; Sequence 6, Application US/08467947A
 ; Patent No. 6090575
 ; GENERAL INFORMATION:
 ; APPLICANT: LI, YI
 ; APPLICANT: CAO, LIANG
 ; APPLICANT: NI, JIAN

APPLICANT: GENTZ, REINER
APPLICANT: BULT, CAROL J.
APPLICANT: SUTTON III, GRANGER G.
APPLICANT: ROSEN, CRAIG A.
TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein
TITLE OF INVENTION: Coupled Receptor GPR1
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESSES:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVE., NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,947A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04079
FILING DATE: 30-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.1140002/(EKS/KLM)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 293 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-467-947A-6

Query Match 63.5%; Score 1098.5; DB 3; Length 293;
Best Local Similarity 76.8%; Pred. No. 1.5e-82;
Matches 225; Conservative 14; Mismatches 43; Indels 11; Gaps 4;
Qy 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Db 1 MNTTVMGFRNSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSSTFIY 60
Qy 61 LKNTLVADLIMLPPFKILSDSHLAPWQRAFCVRSFSSVIFYETMVGVLLGLIAFDR 120
Db 61 LKNTLVADLIMLPPFKILSDSHLAPWQRAFCVRSFSSVIFYETMVGVLLGLIAFDR 120
Qy 121 FLKTIIRPLNIFLKKVPKATVSIIFWFFLFFISLPMILSNKEATPSSVKKASLGPL 180
Db 121 FLKTIIRPLNIFLKKVPKATVSIIFWFFLFFISLPMILSNKEATPSSVKKASLGPL 180
Qy 181 GLKWHQWNNICQIFWTFVLMVYVVIKAKVYDSVRKSKDRKNNKLEKGVF--- 237
Db 181 GLKWHQWNNICQIFWTFVLMVYVVIKAKVYDSVRKSKDRKNNKLEKGVF--- 237
Qy 238 ---VVAVVFFVCFAPFARPYTHSTQNNKTCRLQNLQFIKAKETTLFLAAT 287
Db 241 LSSLCVLLHFFS-PEFHILTIVKPIRUT---VDCKI-NCLLLKKQLSPWQOLT 288

RESULT 7
US-08-852-824-2
Sequence 2, Application US/08852824C
Patent No. 6060272
GENERAL INFORMATION:
APPLICANT: Li et al.
TITLE OF INVENTION: Human G-Protein Coupled Receptors

FILE REFERENCE: 1488.1220000
CURRENT APPLICATION NUMBER: US/08/852,824C
CURRENT FILING DATE: 1997-05-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 342
TYPE: PRT
ORGANISM: genomic
US-08-852-824-2

Query Match 47.9%; Score 829; DB 3; Length 342;
Best Local Similarity 49.1%; Pred. No. 2.1e-60;
Matches 155; Conservative 57; Mismatches 102; Indels 2; Gaps 1;
Qy 15 CPRDRTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSSTFIYLNKTLVADLIML 74
Db 17 CTRDYKITQVLPFLYTVVFLTGILLNTLALWVFIHPSSSTFIYLNKTLVADLIML 76
Qy 75 LPPKILSDSHLAPWQRAFCVRSFSSVIFYETMVGVLLGLIAFDRFLKIIRPLNIFLK 134
Db 77 FPFKILSDAKLGTGRLTFVQVTSVIFYETMVGVLLGLITIDRYQKTRPFKTSNPK 136
Qy 135 KPVFAKTVSIFWFFLFFISLPMILSNKEATPSSVKKASLGKPLGKWHQWNNICQF 194
Db 137 NLGAKILSVIWAFFMFLSLPMLNTRQPRDKNVKGCFLKSEFGLVWHEIVNYICQV 196
Qy 195 IFWTFVILMVYVVIKAKVYDSVRKSKDRKNNKLEKGVFVVVAVVFCFAPFHFAR 254
Db 197 IFWTFVILMVYVVIKAKVYDSVRKSKDRKNNKLEKGVFVVVAVVFCFAPFHFAR 256
Qy 255 VPYTHSTQNNKTCRLQNLQFIKAKETTLFLAATNICMDPLIYIFLCKFKTEKLP 312
Db 257 IPYTLSTQTRDVFDTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFNLSMLKCP 316
Qy 313 RKTASSQENHSSQTD 328
Db 317 NSATLSQDNRRKEQD 332

RESULT 8
US-09-745-842-6
Sequence 6, Application US/09745842
Patent No. 6762029
GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Jantzen, Hans-Michael
APPLICANT: Ramakrishnan-Dubridge, Vanitha
APPLICANT: Julius, David
APPLICANT: Hollopetter, Gunter
APPLICANT: COR Therapeutics, Inc.
TITLE OF INVENTION: P2Y12 Receptor
FILE REFERENCE: 44481-5053-US
CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT FILING DATE: 2000-12-26
PRIOR APPLICATION NUMBER: US 60/171,622
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 21
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 342
TYPE: PRT
ORGANISM: Homo sapiens
US-09-745-842-6

Query Match 47.9%; Score 829; DB 4; Length 342;
Best Local Similarity 49.1%; Pred. No. 2.1e-60;
Matches 155; Conservative 57; Mismatches 102; Indels 2; Gaps 1;
Qy 15 CPRDRTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSSTFIYLNKTLVADLIML 74
Db 17 CTRDYKITQVLPFLYTVVFLTGILLNTLALWVFIHPSSSTFIYLNKTLVADLIML 76

Qy 75 LPFKILSDSHLAPWQLRAFCVCRFSSVIFYETMYGVILVGLIADRFKLIIRPLRNIFLK 134
Db 77 FPFKILSDAKLGTGFLRTFVCQVTSVIFYETMYISISFLGLITIDRYQKTRPFRKTSNPK 136
Qy 135 KPVPKATSVIPIWFFFLFISLPNNILSNKEATPSSVKKCASLKGPLGLKWHQMVNNICQF 194
Db 137 NLLGAKILSVVIAFWAFMFLLSLPNNILTNRPDRKNVKKCSFLKSEFGLVWHEIVNYICQV 196
Qy 195 IFWTVMILMVFYVVIYAKVYDSYRKSVDKRNKKLEGVVVFVVFVVFVVFVVFVVFVVFVVF 254
Db 197 IFWINFLIVICVYTLITKELYSYVTRGVGVKVKVNVKVFIIIAVFFICFVFPFHPAR 256
Qy 255 VPYTHSOTNNKTCRLQNLFIKATETTLFLAATNICMDPLIYIFLCKKFTKLPQMG--G 312
Db 257 IPYTLSTQTRDVFDCDAENTLFFYKVESTLWLTSLNACLDPPFIYFFLCKSFNLSMLKCP 316
Qy 313 RKTASSQENHSSQTD 328
Db 317 NSATSLSDQNRKKEQD 332

RESULT 9

US-09-780-576-2

; Sequence 2, Application US/09780576

; Patent No. 6790608

; GENERAL INFORMATION:

; APPLICANT: Civelli, Olivier

; APPLICANT: No. 6790608hacker, Hans-Peter

; APPLICANT: Wang, Zhiwei

; APPLICANT: Reinscheid, Rainer

; TITLE OF INVENTION: ADP-Glucose Receptor

; FILE REFERENCE: P-UC 4530

; CURRENT APPLICATION NUMBER: US/09/780,576

; CURRENT FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: US 60/234,025

; PRIOR FILING DATE: 2000-09-20

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 342

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-780-576-2

Query Match 47.9%; Score 829; DB 4; Length 342;
Best Local Similarity 49.1%; Pred. No. 2.1e-60;
Matches 155; Conservative 57; Mismatches 102; Indels 2; Gaps 1;

Qy 15 CPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFWHIPSSSTFIYKNTLVADLIMTLM 74
Db 17 CTRDYKITQVLFPLLYTVLFPVGLITNGLAMRIFQIRKSNFIIFLKNTVISDLMLT 76
Qy 75 LPFKILSDSHLAPWQLRAFCVCRFSSVIFYETMYGVILVGLIADRFKLIIRPLRNIFLK 134
Db 77 FPFKILSDAKLGTGFLRTFVCQVTSVIFYETMYISISFLGLITIDRYQKTRPFRKTSNPK 136
Qy 135 KPVPKATSVIPIWFFFLFISLPNNILSNKEATPSSVKKCASLKGPLGLKWHQMVNNICQF 194
Db 137 NLLGAKILSVVIAFWAFMFLLSLPNNILTNRPDRKNVKKCSFLKSEFGLVWHEIVNYICQV 196
Qy 195 IFWTVMILMVFYVVIYAKVYDSYRKSVDKRNKKLEGVVVFVVFVVFVVFVVFVVFVVFVVF 254
Db 197 IFWINFLIVICVYTLITKELYSYVTRGVGVKVKVNVKVFIIIAVFFICFVFPFHPAR 256
Qy 255 VPYTHSOTNNKTCRLQNLFIKATETTLFLAATNICMDPLIYIFLCKKFTKLPQMG--G 312
Db 257 IPYTLSTQTRDVFDCDAENTLFFYKVESTLWLTSLNACLDPPFIYFFLCKSFNLSMLKCP 316
Qy 313 RKTASSQENHSSQTD 328
Db 317 NSATSLSDQNRKKEQD 332

RESULT 10

US-09-949-016-8187

; Sequence 8187, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 8187

; LENGTH: 363

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-8187

Query Match 47.9%; Score 829; DB 4; Length 363;
Best Local Similarity 49.1%; Pred. No. 2.3e-60;
Matches 155; Conservative 57; Mismatches 102; Indels 2; Gaps 1;

Qy 15 CPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFWHIPSSSTFIYKNTLVADLIMTLM 74
Db 38 CTRDYKITQVLFPLLYTVLFPVGLITNGLAMRIFQIRKSNFIIFLKNTVISDLMLT 97
Qy 75 LPFKILSDSHLAPWQLRAFCVCRFSSVIFYETMYGVILVGLIADRFKLIIRPLRNIFLK 134
Db 98 FPFKILSDAKLGTGFLRTFVCQVTSVIFYETMYISISFLGLITIDRYQKTRPFRKTSNPK 157
Qy 135 KPVPKATSVIPIWFFFLFISLPNNILSNKEATPSSVKKCASLKGPLGLKWHQMVNNICQF 194
Db 158 NLLGAKILSVVIAFWAFMFLLSLPNNILTNRPDRKNVKKCSFLKSEFGLVWHEIVNYICQV 217
Qy 195 IFWTVMILMVFYVVIYAKVYDSYRKSVDKRNKKLEGVVVFVVFVVFVVFVVFVVFVVFVVF 254
Db 218 IFWINFLIVICVYTLITKELYSYVTRGVGVKVKVNVKVFIIIAVFFICFVFPFHPAR 277
Qy 255 VPYTHSOTNNKTCRLQNLFIKATETTLFLAATNICMDPLIYIFLCKKFTKLPQMG--G 312
Db 278 IPYTLSTQTRDVFDCDAENTLFFYKVESTLWLTSLNACLDPPFIYFFLCKSFNLSMLKCP 337
Qy 313 RKTASSQENHSSQTD 328
Db 338 NSATSLSDQNRKKEQD 353

RESULT 11

US-09-745-842-4

; Sequence 4, Application US/09745842

; Patent No. 6762029

; GENERAL INFORMATION:

; APPLICANT: Conley, Pamela B.

; APPLICANT: Jantzen, Hans-Michael

; APPLICANT: Ramakrishnan-DuBridge, Vanitha

; APPLICANT: Julius, David

; APPLICANT: Hollopetter, Gunter

; APPLICANT: COR Therapeutics, Inc.

; TITLE OF INVENTION: P2Y12 Receptor

; FILE REFERENCE: 44481-5053-US

; CURRENT APPLICATION NUMBER: US/09/745,842

; CURRENT FILING DATE: 2000-12-26

; PRIOR APPLICATION NUMBER: US 60/171,622

; PRIOR FILING DATE: 1999-12-23

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 4
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-745-842-4

Query Match          47.1%; Score 816; DB 4; Length 315;
Best Local Similarity 50.7%; Pred. No. 2.3e-59;
Matches 150; Conservative 54; Mismatches 92; Indels 0; Gaps 0;

QY 15 CPRDTRIVQLVFPALYTVVFTGLTLNTLALWVFWHIPSSSTFIYIKNTLVADLIMTL 74
DQ 17 CTRDYKITQVLFPVLLTVFVGLITNGLAMRIFFQIRSKSNFIIFLKNVTVISDLMLT 76
QY 75 LPFKILSDSHLAPWQLRAFCVRSVFYETMYGIVLLGLIADRFELKIIRPLRNIFLK 134
DQ 77 FPFKILSDAKLGTGTLFTVCQVTSVFYFTMYISISFLGLITIDRYQKTRPFKTSNPK 136
QY 135 KPVEAKTVSIFPFPLFISLPNNILSKNKEATPSVKKCASLKGPLGLKWHOMVNNICQF 194
DQ 137 NLLGAKILSVVAFWFLSLPNNILTRQPRDKNVKCKSLKSEFGLVWHEIVNYICQV 196
QY 195 IFWTFVILMLVYVYVIAKVDYSYRKSCKDRKNNKLEGKGVVYVAVFVFCFAPHFAR 254
DQ 197 IFWTFVILVYVYVIAKVDYSYRKSCKDRKNNKLEGKGVVYVAVFVFCFAPHFAR 256
QY 255 VPYTHSOTNNKTCRLQNLQFIKATETLFLAATNICMDPLIYIFLCKKFTKELPCM 310
DQ 257 IPYTLSTQTRDVFDCATENTLFYVKESTLWLTSLNACLDPFIYFLCKSPRNSLISM 312

RESULT 12
US-09-745-842-2
; Sequence 2, Application US/09745842
; Patent No. 6762029
; GENERAL INFORMATION:
; APPLICANT: Conley, Pamela B.
; APPLICANT: Jahtzen, Hans-Michael
; APPLICANT: Ramakrishnan-DuBridge, Vanitha
; APPLICANT: Julius, David
; APPLICANT: Holloper, Gunter
; APPLICANT: COR Therapeutics, Inc.
; TITLE OF INVENTION: P2Y12 Receptor
; FILE REFERENCE: 44481-5053-US
; CURRENT APPLICATION NUMBER: US/09/745,842
; CURRENT FILING DATE: 2000-12-26
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-745-842-2

Query Match          46.6%; Score 807; DB 4; Length 343;
Best Local Similarity 47.2%; Pred. No. 1.4e-58;
Matches 151; Conservative 60; Mismatches 107; Indels 2; Gaps 1;

QY 2 NTTVMQGNRSRCPDRTRIVQLVFPALYTVVFTGLTLNTLALWVFWHIPSSSTFIYL 61
DQ 12 NTTSIPG--FTLCSRDYKITQVLFPVLLTVFVGLITNGLAMRIFFQIRSKSNFIIFL 69
QY 62 KNTLVADLIMTLPPFKILSDSHLAPWQLRAFCVRSVFYETMYGIVLLGLIADRF 121
DQ 70 KNTVISDLMLTLPFPFKILSDAKLGTGTLFTVCQVTSVFYFTMYISISFLGLITIDRY 129
QY 122 LKIIRPLRNIFLKPVFAKTVSIFPFPLFISLPNNILSKNKEATPSVKKCASLKGPLG 191
DQ 130 LKTRPFKTSNPKLGLIADRFELKIIRPLRNIFLKPVFAKTVSIFPFPLFISLPNNILSKNKEATPSVKKCASLKGPLG 199
QY 182 LKWHQMVNNICQFIFWTFVILMLVYVYVIAKVDYSYRKSCKDRKNNKLEGKGVVYVAVFVFCFAPHFAR 241

; SEQ ID NO 4
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-745-842-4

Query Match          47.1%; Score 816; DB 4; Length 315;
Best Local Similarity 50.7%; Pred. No. 2.3e-59;
Matches 150; Conservative 54; Mismatches 92; Indels 0; Gaps 0;

QY 15 CPRDTRIVQLVFPALYTVVFTGLTLNTLALWVFWHIPSSSTFIYIKNTLVADLIMTL 74
DQ 17 CTRDYKITQVLFPVLLTVFVGLITNGLAMRIFFQIRSKSNFIIFLKNVTVISDLMLT 76
QY 75 LPFKILSDSHLAPWQLRAFCVRSVFYETMYGIVLLGLIADRFELKIIRPLRNIFLK 134
DQ 77 FPFKILSDAKLGTGTLFTVCQVTSVFYFTMYISISFLGLITIDRYQKTRPFKTSNPK 136
QY 135 KPVEAKTVSIFPFPLFISLPNNILSKNKEATPSVKKCASLKGPLGLKWHOMVNNICQF 194
DQ 137 NLLGAKILSVVAFWFLSLPNNILTRQPRDKNVKCKSLKSEFGLVWHEIVNYICQV 196
QY 195 IFWTFVILMLVYVYVIAKVDYSYRKSCKDRKNNKLEGKGVVYVAVFVFCFAPHFAR 254
DQ 197 IFWTFVILVYVYVIAKVDYSYRKSCKDRKNNKLEGKGVVYVAVFVFCFAPHFAR 256
QY 255 VPYTHSOTNNKTCRLQNLQFIKATETLFLAATNICMDPLIYIFLCKKFTKELPCM 310
DQ 257 IPYTLSTQTRDVFDCATENTLFYVKESTLWLTSLNACLDPFIYFLCKSPRNSLISM 312

RESULT 13
US-08-467-948A-29
; Sequence 29, Application US/08467948A
; Patent No. 5998164
; GENERAL INFORMATION:
; APPLICANT: LI, YI
; APPLICANT: CAO, LIANG
; APPLICANT: NI, JIAN
; APPLICANT: GENTZ, REINER
; APPLICANT: BULT, CAROL J.
; APPLICANT: SUTTON III, GRANGER G.
; APPLICANT: ROSEN, CRAIG A.
; TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein
; TITLE OF INVENTION: Coupled Receptor GPR
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,948A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04079
; FILING DATE: 30-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1498.1140003/EKS/KLM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-467-948A-29

Query Match          44.9%; Score 777; DB 2; Length 325;
Best Local Similarity 47.5%; Pred. No. 3.7e-56;
Matches 140; Conservative 54; Mismatches 101; Indels 0; Gaps 0;

QY 13 ERCPDTRIVQLVFPALYTVVFTGLTLNTLALWVFWHIPSSSTFIYIKNTLVADLIMT 72
DQ 11 ESCSQNLLITQIIPVLYCMVFAGILLNGVSGWIFFYVPSKSFYIYIKNTLVADLIMT 70
QY 73 LMLPFKILSDSHLAPWQLRAFCVRSVFYETMYGIVLLGLIADRFELKIIRPLRNIF 132
DQ 71 LTFPFKILGDSGLGWPQLNLFVCRVSAVLFYVNMVYSIVFFGLISPDYIKVPLWTGSF 130
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[illegible]

RESULT 15
US-08-988-876-8
; Sequence 8, Application US/08988876
; Patent No. 6063596
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTORS ASSOCIATED
; TITLE OF INVENTION: WITH IMMUNE RESPONSE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/988,876
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0441 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 338 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 285995
US-08-988-876-8

Query Match 44.9%; Score 777; DB 3; Length 338;
Best Local Similarity 47.5%; Pred. No. 3.9e-56;
Matches 140; Conservative 54; Mismatches 101; Indels 0; Gaps 0

QY	13	ERCPRDTRIVQVFPALYTVVFLTCILLNTLALWVFHIPSSTFIIYLKNTLVADLIMT	72
		: : : : :	
DB	12	ESCSQNLITQIIPVLCMVFAGILLNGVSGWIFFYVPSSKSFIIYLKNIIVADFVMS	71
		: : : : :	

Qy	73	LMLPFIILSDSHLAPWOLRAVPCRFSSVIFVETMYGIVLGLIAPDRFLKIIRPLRNIP	132
Db	72	LTFPFKILGDSGLGPWQNLNVFCRVSALFVYNNMYSVIVFGLISFDRYKIVKPLWTSF	131
Qy	133	LKKEVFARTVSIPIWFFELFFISLNFNMLSNKEATPSSVKKCSLKGPLGLKWHOMVNNIC	192
Db	132	IQSVSYSKLLSVIVWMLMLLLAVENIILTQSVREVTQIKCIELKSELGRKWHKASNYIP	191
Qy	193	QFIPWTVFILMLVYVVIKVVDSYRKSKDKRNNKLEGVFVVVAVFFVCFAFPFH	252
Db	192	VAIFWIVFLLIIVFYTAITTKKFKSHLKSRRNSTSVKKSRRNIFSIVFVFFVCFVFI	251
Qy	253	ARVPYTHSOTNNKTDCLQNLPIAKETTLFLAATNICMDPLIYIFLCKKFTKL	307
Db	252	ARIPYTKSQTEAHYSCOSKEILRYMKEFTLLLSAANVCLDP1IYFFLCQPFREIL	306

Search completed: February 26, 2005, 19:15:42
Job time : 45 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 26, 2005, 19:04:26 ; Search time 134 Seconds
(without alignments)
815.215 Million cell updates/sec

Title: us-09-924-125-2

Perfect score: 1731

Sequence: 1 MNTTVMQGFNRSEKPRDTR.....KTTASSQENHSSQTDNITLG 333

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1385339 seqs, 328044528 residues

Total number of hits satisfying chosen parameters: 1385339

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1731	100.0	333	10	US-09-924-125-2
2	1731	100.0	333	10	US-09-957-187-2
3	1731	100.0	333	14	US-10-243-106-2
4	1731	100.0	333	14	US-10-325-567A-514
5	1731	100.0	333	15	US-10-352-684A-34
6	1731	100.0	333	15	US-10-308-968-2
7	1731	100.0	333	17	US-10-781-581-179
8	1725	99.7	333	9	US-09-769-159-2
9	1725	99.7	333	10	US-09-875-076-18
10	1725	99.7	333	10	US-09-876-252-20
11	1725	99.7	333	14	US-10-272-983-18
12	1725	99.7	333	14	US-10-393-807-18
13	1725	99.7	333	15	US-10-408-572-2

14	1725	99.7	333	15	US-10-417-820A-20	Sequence 20, Appl
15	1725	99.7	333	15	US-10-343-650A-78	Sequence 78, Appl
16	1725	99.7	333	16	US-10-723-955-20	Sequence 20, Appl
17	1725	99.7	333	16	US-10-782-596-18	Sequence 18, Appl
18	1723	99.5	333	14	US-10-189-576-2	Sequence 2, Appl
19	1710	98.8	333	15	US-10-692-605-8	Sequence 8, Appl
20	1697	98.0	333	9	US-09-848-889-1	Sequence 1, Appl
21	1697	98.0	333	14	US-10-100-982-1	Sequence 1, Appl
22	1114.5	64.4	314	15	US-10-264-237-2586	Sequence 2586, Ap
23	1098.5	63.5	293	14	US-10-024-494-6	Sequence 6, Appl
24	829	47.9	342	9	US-09-835-922-2	Sequence 2, Appl
25	829	47.9	342	9	US-09-827-937A-2	Sequence 2, Appl
26	829	47.9	342	9	US-09-780-576-2	Sequence 2, Appl
27	829	47.9	342	9	US-09-964-008-1	Sequence 1, Appl
28	829	47.9	342	10	US-09-875-076-32	Sequence 32, Appl
29	829	47.9	342	10	US-09-876-252-34	Sequence 34, Appl
30	829	47.9	342	10	US-09-745-842-6	Sequence 6, Appl
31	829	47.9	342	14	US-10-225-567A-643	Sequence 643, App
32	829	47.9	342	14	US-10-333-844-2	Sequence 2, Appl
33	829	47.9	342	14	US-10-272-983-32	Sequence 32, Appl
34	829	47.9	342	14	US-10-393-807-32	Sequence 32, Appl
35	829	47.9	342	15	US-10-417-820A-34	Sequence 34, Appl
36	829	47.9	342	15	US-10-343-650A-26	Sequence 26, Appl
37	829	47.9	342	16	US-10-723-955-34	Sequence 34, Appl
38	829	47.9	342	16	US-10-782-596-32	Sequence 32, Appl
39	829	47.9	342	16	US-10-741-601-310	Sequence 310, App
40	829	47.9	342	16	US-10-741-601-311	Sequence 311, App
41	829	47.9	342	16	US-10-757-262-72	Sequence 72, Appl
42	828	47.8	342	9	US-09-964-008-3	Sequence 3, Appl
43	816	47.1	315	10	US-09-745-842-4	Sequence 4, Appl
44	807	46.6	343	10	US-09-745-842-2	Sequence 2, Appl
45	777	44.9	325	14	US-10-024-494-29	Sequence 29, Appl

ALIGNMENTS

RESULT 1

US-09-924-125-2
; Sequence 2, Application US/09924125
; Publication No. US20030050235A1
; GENERAL INFORMATION:
; APPLICANT: Communi, Didier
; TITLE OF INVENTION: THE NATURAL LIGAND FOR ORPHAN G PROTEIN COUPLED RECEPTOR GPR86 AT
; FILE REFERENCE: 9049/2092
; CURRENT APPLICATION NUMBER: US/09/924,125
; PRIOR FILING DATE: 2001-07-08
; PRIOR APPLICATION NUMBER: US 09/924,125
; PRIOR FILING DATE: 2001-07-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-924-125-2

Query Match	100.0%	Score	1731	DB	10	Length	333
Best Local Similarity	100.0%	Pred. No.	7.9e-145				
Matches	333	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
Qy	1	MNTTVMQGFNRSEKPRDTRIVQVFPALYTVVFLTGILLNTLALWVFPVHPSSSTFIY	60				
Db	1	MNTTVMQGFNRSEKPRDTRIVQVFPALYTVVFLTGILLNTLALWVFPVHPSSSTFIY	60				
Qy	61	LKNTLVADLIMTLMLPFKILSDSHLAPWQRAFCVRSFVIFETVYVIGVLLGLIAFDR	120				
Db	61	LKNTLVADLIMTLMLPFKILSDSHLAPWQRAFCVRSFVIFETVYVIGVLLGLIAFDR	120				
Qy	121	FLKIIRPLRNIPLKPPVFAKTVSFIWFFLFFISLPNNILSNKEATSSVKKCASLKGPL	180				
Db	121	FLKIIRPLRNIPLKPPVFAKTVSFIWFFLFFISLPNNILSNKEATSSVKKCASLKGPL	180				

Qy 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Db 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Qy 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Qy 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 2

US-09-957-187-2
; Sequence 2, Application US/09957187
; Publication No. US20030054514A1
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Laroche, William
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
; FILE REFERENCE: 15966-540 CIP
; CURRENT APPLICATION NUMBER: US/09/957,187
; CURRENT FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 60/123,667
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: 09/520,781
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/234,082
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: 60/233,798
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 60/174,485
; PRIOR FILING DATE: 2000-01-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-957-187-2

Query Match 100.0%; Score 1731; DB 10; Length 333;
Best Local Similarity 100.0%; Pred. No. 7.9e-145;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVHVHPSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVHVHPSSTFIY 60
Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAVFCRFSVIFYETMVVGVILGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAVFCRFSVIFYETMVVGVILGLIAFDR 120
Qy 121 FLKIIIRPLRNIFLKPKVPFVAKTVSIFWFFFLFISLPMILSNKEATPSSVKKCASLKGPL 180
Db 121 FLKIIIRPLRNIFLKPKVPFVAKTVSIFWFFFLFISLPMILSNKEATPSSVKKCASLKGPL 180
Qy 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Db 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Qy 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Qy 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 3

Query Match 100.0%; Score 1731; DB 14; Length 333;
Best Local Similarity 100.0%; Pred. No. 7.9e-145;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-10-243-106-2

; Sequence 2, Application US/10243106
; Publication No. US20030059857A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Fang L.
; APPLICANT: Luo, Lin
; TITLE OF INVENTION: G-Protein Coupled Receptor and Methods
; FILE REFERENCE: CN01462P
; CURRENT APPLICATION NUMBER: US/10/243,106
; CURRENT FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-243-106-2

Query Match 100.0%; Score 1731; DB 14; Length 333;
Best Local Similarity 100.0%; Pred. No. 7.9e-145;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVHVHPSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVHVHPSSTFIY 60
Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAVFCRFSVIFYETMVVGVILGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAVFCRFSVIFYETMVVGVILGLIAFDR 120
Qy 121 FLKIIIRPLRNIFLKPKVPFVAKTVSIFWFFFLFISLPMILSNKEATPSSVKKCASLKGPL 180
Db 121 FLKIIIRPLRNIFLKPKVPFVAKTVSIFWFFFLFISLPMILSNKEATPSSVKKCASLKGPL 180
Qy 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Db 181 GLKWHQWNNICQIFWTVFVILMLVFFVVIKAKYVDSYRKSQKDRKNNKLEGGKVFVV 240
Qy 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAPFHFARVPVTHSQTNNTKDCRLQNLFIKAKETTLFLAATNICMDPLIYIFLC 300
Qy 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKFEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 4

US-10-225-567A-514
; Sequence 514, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 514
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-514

Query Match 100.0%; Score 1731; DB 14; Length 333;
Best Local Similarity 100.0%; Pred. No. 7.9e-145;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MNTVMQGFNRSERCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVPVHIPSSSTFIY	60
Db	1	MNTVMQGFNRSERCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVPVHIPSSSTFIY	60
Qy	61	LKNTLVADLIMTLMLPFKLLSDSHLAPQLRAFCRPSVIFYETVMGVIVLLGLIAFDR	120
Db	61	LKNTLVADLIMTLMLPFKLLSDSHLAPQLRAFCRPSVIFYETVMGVIVLLGLIAFDR	120
Qy	121	FLKIIRPLRNIPLKKPVFAKTVSIFIVWFFFLSLPNMILSNKEATPSSVKKCSLKGPL	180
Db	121	FLKIIRPLRNIPLKKPVFAKTVSIFIVWFFFLSLPNMILSNKEATPSSVKKCSLKGPL	180
Qy	181	GLKWHQWNNICQIFWTVFTLMLVYVYVIAKQVYDSYRKSVDKRNKKLEGVFVVV	240
Db	181	GLKWHQWNNICQIFWTVFTLMLVYVYVIAKQVYDSYRKSVDKRNKKLEGVFVVV	240
Qy	241	AVFPVCFAPHFARVPVYTHSQTNKNTDCLQNQLFIAKETTLFLAAATNICMDPLIYIFLC	300
Db	241	AVFPVCFAPHFARVPVYTHSQTNKNTDCLQNQLFIAKETTLFLAAATNICMDPLIYIFLC	300
Qy	301	KKPTEKLPCHQGRKTTASSQNHSSQTDNTITLG	333
Db	301	KKPTEKLPCHQGRKTTASSQNHSSQTDNTITLG	333

RESULT 6
US-10-308-968-2
; Sequence 2, Application US/10308968
; Publication No. US20040005629A1
; GENERAL INFORMATION:
; APPLICANT: Euroscreen, s.a.
; APPLICANT: Communi, Didier
; APPLICANT: Suarez, Nathalie
; APPLICANT: Dethoux, Michel
; APPLICANT: Brezillon, Stephane
; APPLICANT: Lannoy, Vincent
; APPLICANT: Parmentier, Marc
; APPLICANT: Boeynaems, Jean-Marie
; TITLE OF INVENTION: THE NATURAL LIGAND FOR ORPHAN G PROTEIN COUPLED RECEPTOR
; TITLE OF INVENTION: AND METHODS OF USE
; FILE REFERENCE: 9049/2095
; CURRENT APPLICATION NUMBER: US/10/308,968
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US 09/924,125
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: PCT/EP02/08761
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-308-968-2

	Query Match	100.0%;	Score 1731;	DB 15;	Length 333;
	Best Local Similarity	100.0%;	Pred. No. 7_9e-145;		
	Matches 333;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MNTVMQGFNRSECRPDTRIVQLVPFALYTVVFLTGILLNTLALWVFVHIPSSSTFIY	60		
Dd	1	MNTVMQGFNRSECRPDTRIVQLVPFALYTVVFLTGILLNTLALWVFVHIPSSSTFIY	60		
Qy	61	LKNTLVADLIIMTLMLPKILSDSHLAQPQLRAFCRFSSVIFETMTVGIVLLGLIAFDR	120		
Dd	61	LKNTLVADLIIMTLMLPKILSDSHLAQPQLRAFCRFSSVIFETMTVGIVLLGLIAFDR	120		
Qy	121	FLKIIRPLRNIFLKGPVAKTVISIFWFFLPFTISLPMILSNKEATPSSVKKCSASLGKPL	180		

Db 121 FLKIIRPLRNIFLKPPVFVAKTSIFIWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL 180
QY 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
Db 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
QY 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
QY 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 7

US-10-781-581-179
; Sequence 179, Application US/10781581
; Publication No. US20050019746A1
; GENERAL INFORMATION:
; APPLICANT: Eirx Therapeutics Ltd.
; APPLICANT: Seery, Liam
; APPLICANT: Hayes, Ian
; APPLICANT: Murphy, Finbarr
; TITLE OF INVENTION: Apoptosis-Related Kinase/gpcrs
; FILE REFERENCE: 8912/2015
; CURRENT APPLICATION NUMBER: US/10781.581
; CURRENT FILING DATE: 2004-02-18
; PRIOR APPLICATION NUMBER: US 10/764,238
; PRIOR FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: US 60/457,533
; PRIOR FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: UK 0301566.6
; PRIOR FILING DATE: 2003-01-23
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 179
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-781-581-179

Query Match 100.0%; Score 1731; DB 17; Length 333;
Best Local Similarity 100.0%; Pred. No. 7.9e-145;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MNTVMQGFNRSECRDTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSTFIY 60
Db 1 MNTVMQGFNRSECRDTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSTFIY 60
QY 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRESSVIFETMVVGLVGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRESSVIFETMVVGLVGLIAFDR 120
QY 121 FLKIIRPLRNIFLKPPVFVAKTSIFIWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL 180
Db 121 FLKIIRPLRNIFLKPPVFVAKTSIFIWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL 180
QY 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
Db 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
QY 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
QY 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 8

US-09-769-159-2

; Sequence 2, Application US/09769159
; Patent No. US20010021509A1
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH M.
; APPLICANT: HALSEY, WENDY S.
; APPLICANT: CHAMBERS, JON
; APPLICANT: MUIR, ALISON
; APPLICANT: SZEKERES, PHILIP
; TITLE OF INVENTION: METHODS OF SCREENING FOR AGONISTS AND
; FILE REFERENCE: GH-70318-D3
; CURRENT APPLICATION NUMBER: US/09/769,159
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 08/956,975
; PRIOR FILING DATE: 1997-10-23
; PRIOR APPLICATION NUMBER: 09/221,456
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: 09/558,740
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-769-159-2

Query Match 99.7%; Score 1725; DB 9; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MNTVMQGFNRSECRDTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSTFIY 60
Db 1 MNTVMQGFNRSECRDTRIVQLVFPALYTVVFLTGILLNTLALWVFIHPSSTFIY 60
QY 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRESSVIFETMVVGLVGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRESSVIFETMVVGLVGLIAFDR 120
QY 121 FLKIIRPLRNIFLKPPVFVAKTSIFIWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL 180
Db 121 FLKIIRPLRNIFLKPPVFVAKTSIFIWFFLFFISLPNNILSNKEATPSSVKKCASLKGPL 180
QY 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
Db 181 GLKWHQWNNICQIFFTWTFILMLVFVVTAKKYDSYRSKSKDRKNNKLGKVPVV 240
QY 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFVFCFAPFHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
QY 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333
Db 301 KKTEKLPQMGKRTTASSQENHSSQTDNITLG 333

RESULT 9

US-09-875-076-18
; Sequence 18, Application US/09875076
; Publication No. US20030017528A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/09/875,076
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16

; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,293
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ.ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 333
; TYPE: PR1
; ORGANISM: Homo sapiens
US-09-875-076-18

Query Match 99.7%; Score 1725; DB 10; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MNTVMQGFNRSECRDTRIVQVFPALYVFLTGILLNTLALWVFPVHIPSSSTFIY 60
Db 1 MNTVMQGFNRSECRDTRIVQVFPALYVFLTGILLNTLALWVFPVHIPSSSTFIY 60

Qy 61 LKNTLVADLIMTLMPFKILSDSHLAPQWRAFCVRSFVIFETMYGVIGVLLGLIAFDR 120
Db 61 LKNTLVADLIMTLMPFKILSDSHLAPQWRAFCVRSFVIFETMYGVIGVLLGLIAFDR 120

Qy 121 FLKIIIRPLRNIFLKPPFAKTVSIFWFFLPSLPMILSNKEATPSSVKKCSLKGPL 180
Db 121 FLKIIIRPLRNIFLKPPFAKTVSIFWFFLPSLPMILSNKEATPSSVKKCSLKGPL 180

Qy 181 GLKWHQWNNICQIFWTVFTLMVFFVVIKAKYVDSYRKSCKDRKNNKLEGVFVVV 240.
Db 181 GLKWHQWNNICQIFWTVFTLMVFFVVIKAKYVDSYRKSCKDRKNNKLEGVFVVV 240

Qy 241 AVFFVCFAFPHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
Db 241 AVFFVCFAFPHFARVPYTHSQTNKTDCLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300

Qy 301 KKTEKLPQMGKRKTTASSQNHSSQTDNTITLG 333
Db 301 KKTEKLPQMGKRKTTASSQNHSSQTDNTITLG 333

RESULT 10
US-09-876-252-20
; Sequence 20, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Bruinsma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein Coupled Re
; FILE REFERENCE: AREN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01

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; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-20

Query Match          99.7%; Score 1725; DB 10; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MNTVMQGFNRSRCPDRTRIVOLVFPALYVVVFLTGILLNTLALWVFVHIPSSSTFIY 60
   |||||
Db 1 MNTVMQGFNRSRCPDRTRIVOLVFPALYVVVFLTGILLNTLALWVFVHIPSSSTFIY 60
   |||||
QY 61 LKNTLVADLIMTLMPLPKILSDSHLAPWQIRAFVCRFSSVIFVETVMYGVILGLIAFDR 120
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Db 61 LKNTLVADLIMTLMPLPKILSDSHLAPWQIRAFVCRFSSVIFVETVMYGVILGLIAFDR 120
   |||||
QY 121 FLKIIIRPLRNIFLKKEVFQAKTWSIFVFFLFFISLNPMLSNKEATPSSVKKCSLKGPL 180
   |||||
Db 121 FLKIIIRPLRNIFLKKEVFQAKTWSIFVFFLFFISLNPMLSNKEATPSSVKKCSLKGPL 180
   |||||
QY 181 GLKWHQWNNICQFIPTWTFILMLVYVVIKVVDSYRKSCKDRKNNKLEGGKVFVVV 240
   |||||
Db 181 GLKWHQWNNICQFIPTWTFILMLVYVVIKVVDSYRKSCKDRKNNKLEGGKVFVVV 240
   |||||
QY 241 AVFVFCFAPFHFARVPTHTSQTNKNTDCRLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
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Db 241 AVFVFCFAPFHFARVPTHTSQTNKNTDCRLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
   |||||
QY 301 KKFTKLPQCGRKTTASSQENHSSQTDNITLG 333
   |||||
Db 301 KKFTKLPQCGRKTTASSQENHSSQTDNITLG 333
   |||||

RESULT 11
US-10-272-983-18
; Sequence 18, Application US/10272983
; Publication No. US20030148450A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/10/272,983
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US/09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439

; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-20

Query Match          99.7%; Score 1725; DB 10; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MNTVMQGFNRSRCPDRTRIVOLVFPALYVVVFLTGILLNTLALWVFVHIPSSSTFIY 60
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Db 1 MNTVMQGFNRSRCPDRTRIVOLVFPALYVVVFLTGILLNTLALWVFVHIPSSSTFIY 60
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QY 61 LKNTLVADLIMTLMPLPKILSDSHLAPWQIRAFVCRFSSVIFVETVMYGVILGLIAFDR 120
   |||||
Db 61 LKNTLVADLIMTLMPLPKILSDSHLAPWQIRAFVCRFSSVIFVETVMYGVILGLIAFDR 120
   |||||
QY 121 FLKIIIRPLRNIFLKKEVFQAKTWSIFVFFLFFISLNPMLSNKEATPSSVKKCSLKGPL 180
   |||||
Db 121 FLKIIIRPLRNIFLKKEVFQAKTWSIFVFFLFFISLNPMLSNKEATPSSVKKCSLKGPL 180
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QY 181 GLKWHQWNNICQFIPTWTFILMLVYVVIKVVDSYRKSCKDRKNNKLEGGKVFVVV 240
   |||||
Db 181 GLKWHQWNNICQFIPTWTFILMLVYVVIKVVDSYRKSCKDRKNNKLEGGKVFVVV 240
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QY 241 AVFVFCFAPFHFARVPTHTSQTNKNTDCRLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
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Db 241 AVFVFCFAPFHFARVPTHTSQTNKNTDCRLQNLQFLIAKETTLFLAATNICMDPLIYIFLC 300
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QY 301 KKFTKLPQCGRKTTASSQENHSSQTDNITLG 333
   |||||
Db 301 KKFTKLPQCGRKTTASSQENHSSQTDNITLG 333
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RESULT 12
US-10-393-807-18
; Sequence 18, Application US/10393807
; Publication No. US20030175891A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/10/393,807
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US/09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
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; PRIOR FILING DATE: 1999-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-393-807-18

Query Match 99.7%; Score 1725; DB 14; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60

Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFCVRSFVIFETMTVGVLLGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFCVRSFVIFETMTVGVLLGLIAFDR 120

Qy 121 FLKIIIRPLRNIFLKPPVFAKTVSIFWFFLFFISLPMILSNKEATPSSVKKCSLKGPL 180
Db 121 FLKIIIRPLRNIFLKPPVFAKTVSIFWFFLFFISLPMILSNKEATPSSVKKCSLKGPL 180

Qy 181 GLKWHQVNNICOFIFWTVFILMLVFWVIKAKYVDSYRKSCKDRKNNKLEKGVFVV 240
Db 181 GLKWHQVNNICOFIFWTVFILMLVFWVIKAKYVDSYRKSCKDRKNNKLEKGVFVV 240

Qy 241 AVFVFCFAPFHARVPYTHSQTNKTCRLQNLQFLIAKETTFLAATNICMDPLIYIFLC 300
Db 241 AVFVFCFAPFHARVPYTHSQTNKTCRLQNLQFLIAKETTFLAATNICMDPLIYIFLC 300

Qy 301 KKTEKLPCKOGRKTTASSQENHSSQTDNITLG 333
Db 301 KKTEKLPCKOGRKTTASSQENHSSQTDNITLG 333

RESULT 13
US-10-408-572-2
; Sequence 2, Application US/10408572
; Publication No. US20030215878A1
; GENERAL INFORMATION:
; APPLICANT: EISHINGDELO, Haifeng
; APPLICANT: KUNZWEILER, Theresa
; APPLICANT: WEISSENSEE, Paul
; APPLICANT: CAI, Jigou
; APPLICANT: GASSENHUBER, Johann
; TITLE OF INVENTION: A NOVEL G PROTEIN-COUPLED PURINERGIC RECEPTOR, GAVE17
; FILE REFERENCE: USAV2002/0014 USNP
; CURRENT APPLICATION NUMBER: US/10/408,572
; CURRENT FILING DATE: 2003-04-07
; PRIOR APPLICATION NUMBER: US60/371,131
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: GB0226102.2
; PRIOR FILING DATE: 2002-11-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-572-2

Query Match 99.7%; Score 1725; DB 15; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60

Qy 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFCVRSFVIFETMTVGVLLGLIAFDR 120
Db 61 LKNTLVADLIMTLMLPKILSDSHLAPWQLRAFCVRSFVIFETMTVGVLLGLIAFDR 120

Qy 121 FLKIIIRPLRNIFLKPPVFAKTVSIFWFFLFFISLPMILSNKEATPSSVKKCSLKGPL 180
Db 121 FLKIIIRPLRNIFLKPPVFAKTVSIFWFFLFFISLPMILSNKEATPSSVKKCSLKGPL 180

Qy 181 GLKWHQVNNICOFIFWTVFILMLVFWVIKAKYVDSYRKSCKDRKNNKLEKGVFVV 240
Db 181 GLKWHQVNNICOFIFWTVFILMLVFWVIKAKYVDSYRKSCKDRKNNKLEKGVFVV 240

Qy 241 AVFVFCFAPFHARVPYTHSQTNKTCRLQNLQFLIAKETTFLAATNICMDPLIYIFLC 300
Db 241 AVFVFCFAPFHARVPYTHSQTNKTCRLQNLQFLIAKETTFLAATNICMDPLIYIFLC 300

Qy 301 KKTEKLPCKOGRKTTASSQENHSSQTDNITLG 333
Db 301 KKTEKLPCKOGRKTTASSQENHSSQTDNITLG 333

RESULT 14
US-10-417-820A-20
; Sequence 20, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7 US28 CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-20

Query Match 99.7%; Score 1725; DB 15; Length 333;
Best Local Similarity 99.7%; Pred. No. 2.7e-144;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60
Db 1 MNTVMQGNRSRCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVFNHPSSTFIY 60

Job time : 135 secs

Qy	61	LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRPSVIFYETMVGVILGLIAFDR	120
Db	61	LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRPSVIFYETMVGVILGLIAFDR	120
Qy	121	FLKIIIRPLRNIFLKXVPFAKTVSIFWFFLFFISLPMILSNKEATPSSVKCASLKGPL	180
Db	121	FLKIIIRPLRNIFLKXVPFAKTVSIFWFFLFFISLPMILSNKEATPSSVKCASLKGPL	180
Qy	181	GLKWHQWNNICQIFWTVFIMLVFYVVIKVVYDSYRKSCKDRKNNKKLEGKVFVVV	240
Db	181	GLKWHQWNNICQIFWTVFIMLVFYVVIKVVYDSYRKSCKDRKNNKKLEGKVFVVV	240
Qy	241	AVFFVCFAPFHARVPYTHSQTNKTDCLQNOLFIAKETTLFLAATNICMDPLIYIFLC	300
Db	241	AVFFVCFAPFHARVPYTHSQTNKTDCLQNOLFIAKETTLFLAATNICMDPLIYIFLC	300
Qy	301	KKFTEKLPQCGRKTTASSQENHSSQTDNITLG	333
Db	301	KKFTEKLPQCGRKTTASSQENHSSQTDNITLG	333
RESULT 15			
US-10-343-650A-78			
; Sequence 78, Application US/10343650A			
; Publication No.: US20040067499A1			
; GENERAL INFORMATION:			
; APPLICANT: HAGI, TATSUYA			
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR			
; FILE REFERENCE: 31671-186347			
; CURRENT APPLICATION NUMBER: US/10/343,650A			
; PRIOR FILING DATE: 2003-07-21			
; PRIOR APPLICATION NUMBER: JP 2000/237818			
; PRIOR FILING DATE: 2000-08-04			
; PRIOR APPLICATION NUMBER: JP 2001/34434			
; PRIOR FILING DATE: 2001-02-13			
; NUMBER OF SEQ ID NOS: 694			
; SOFTWARE: Patehtin Ver. 2.1			
; SEQ ID NO 78			
; LENGTH: 333			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-343-650A-78			
Query Match 99.7%; Score 1725; DB 15; Length 333;			
Best Local Similarity 99.7%; Pred. No. 2.7e-144;			
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
Qy	1	MNTTVQGFNRSECRDTRIVQVPALYVVVFLTGILNTLALWVHVHPSSTFIY	60
Db	1	MNTTVQGFNRSECRDTRIVQVPALYVVVFLTGILNTLALWVHVHPSSTFIY	60
Qy	61	LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRPSVIFYETMVGVILGLIAFDR	120
Db	61	LKNTLVADLIMTLMLPKILSDSHLAPWQRAFCRPSVIFYETMVGVILGLIAFDR	120
Qy	121	FLKIIIRPLRNIFLKXVPFAKTVSIFWFFLFFISLPMILSNKEATPSSVKCASLKGPL	180
Db	121	FLKIIIRPLRNIFLKXVPFAKTVSIFWFFLFFISLPMILSNKEATPSSVKCASLKGPL	180
Qy	181	GLKWHQWNNICQIFWTVFIMLVFYVVIKVVYDSYRKSCKDRKNNKKLEGKVFVVV	240
Db	181	GLKWHQWNNICQIFWTVFIMLVFYVVIKVVYDSYRKSCKDRKNNKKLEGKVFVVV	240
Qy	241	AVFFVCFAPFHARVPYTHSQTNKTDCLQNOLFIAKETTLFLAATNICMDPLIYIFLC	300
Db	241	AVFFVCFAPFHARVPYTHSQTNKTDCLQNOLFIAKETTLFLAATNICMDPLIYIFLC	300
Qy	301	KKFTEKLPQCGRKTTASSQENHSSQTDNITLG	333
Db	301	KKFTEKLPQCGRKTTASSQENHSSQTDNITLG	333